

Wayne FYI.

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DOGM
MINERALS PROGRAM
FILE COPY

NOTICE

M/057/002

The following notice of intent to construct, submitted in accordance with Section 3.1, Utah Air Conservation Rules, has been received for consideration by the Executive Secretary, Utah Air Quality Board:

1. K. A. Glauser
Chief Engineer
Great Salt Lake Minerals
P. O. Box 1190
Ogden, Utah 84402

Increased Salt Production
Weber County CDS A2 ATT

PLANT LOCATION: 765 N 10500 W Ogden, Utah
UTM: 4,570,400 Northing - 396,800 Easting

The emissions summary from this source is as follows:

Existing Dryer Combustion Emissions

| | |
|------------------|-------------|
| Particulate | 0.29 ton/yr |
| PM ₁₀ | 0.29 |
| SO ₂ | 0.03 |
| NO _x | 8.10 |
| CO | 2.02 |
| VOC | 0.16 |
| Methane | 0.17 |

Existing Scrubber Emissions

| | |
|--------------------------------|--------------|
| Salt Cooler Scrubber (AH-500): | |
| Particulate | 26.78 ton/yr |
| PM ₁₀ | 21.42 |
| Salt Bagger Scrubber (AH-502): | |
| Particulate | 18.34 ton/yr |

PM₁₀ 14.67

Special Projects Scrubber (AH-505):

Particulate 7.56 ton/yr

PM₁₀ 6.05

Salt Dryer Scrubber (AH-513):

Particulate 14.56 ton/yr

PM₁₀ 11.64

Total Existing Emissions from Scrubber/Dryer System

Particulate 67.53 ton/yr

PM₁₀ 54.07

SO₂ 0.03

NO_x 8.10

CO 2.02

VOC 0.16

Methane 0.17

Proposed Dryer Combustion Emissions

Particulate 0.29 ton/yr

PM₁₀ 0.29

SO₂ 0.03

NO_x 8.10

CO 2.02

VOC 0.16

Methane 0.17

Proposed Scrubber Emissions

Salt Cooler Scrubber (AH-500):

Particulate 38.33 ton/yr

PM₁₀ 30.66

Salt Bagger Scrubber (AH-502):

Particulate 26.25 ton/yr

PM₁₀ 21.00

Special Projects Scrubber (AH-505):

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| | |
|------------------|--------------|
| Particulate | 10.82 ton/yr |
| PM ₁₀ | 8.66 |

Salt Dryer Scrubber (AH-513):

| | |
|------------------|--------------|
| Particulate | 20.84 ton/yr |
| PM ₁₀ | 16.67 |

Proposed Total Emissions from Scrubber/Dryer System

| | |
|------------------|--------------|
| Particulate | 96.53 ton/yr |
| PM ₁₀ | 77.28 |
| SO ₂ | 0.03 |
| NO _x | 8.10 |
| CO | 2.02 |
| VOC | 0.16 |
| Methane | 0.17 |

Emission Increase/Decrease

| | |
|------------------|---------------|
| Particulate | +29.00 ton/yr |
| PM ₁₀ | +23.21 |
| SO ₂ | +0.00 |
| NO _x | +0.00 |
| CO | +0.00 |
| VOC | +0.00 |
| Methane | +0.00 |

The indicated emission increase is a result of adjusting the limitations to the stack test results. It is not due to a change of equipment; it is due to a production increase.

2. Robert A. Cunliffe
Western Zirconium
10,000 West 900 South
Ogden, Utah 84404-9799

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Feed Make-up Process
Weber County CDS A2 ATT

PLANT LOCATION: 10,000 West 900 South, Ogden
UTM COORDINATES: 397,000m East 4,568,025m North

The emissions summary from this source is as follows:

The plant-wide emissions have not yet been compiled. The proposed Feed Make-up Process will result in a decrease in HCl emissions, from 9 lb/hr to 0.24 lb/hr, and the particulate emissions will remain the same. The emissions for the Feed Make-up process will be follows:

Current Emissions, Uncontrolled

| | |
|------------------|-------------|
| TSP | 12.4 ton/yr |
| PM ₁₀ | 11.2 |
| HCl | 144.5 |

Current Emissions, Controlled

| | |
|------------------|------|
| TSP | 1.75 |
| PM ₁₀ | 1.57 |
| HCl | 1.45 |

Proposed Emissions, Uncontrolled

| | |
|------------------|-------------|
| TSP | 12.4 ton/yr |
| PM ₁₀ | 11.2 |
| HCl | 144.5 |

Proposed Emissions, Controlled

| | |
|------------------|------|
| TSP | 1.75 |
| PM ₁₀ | 1.57 |
| HCl | 1.45 |

The engineering evaluation and air quality impact analysis have been completed and no adverse air quality impacts are expected. It is the intent of the Executive Secretary to approve the construction project.